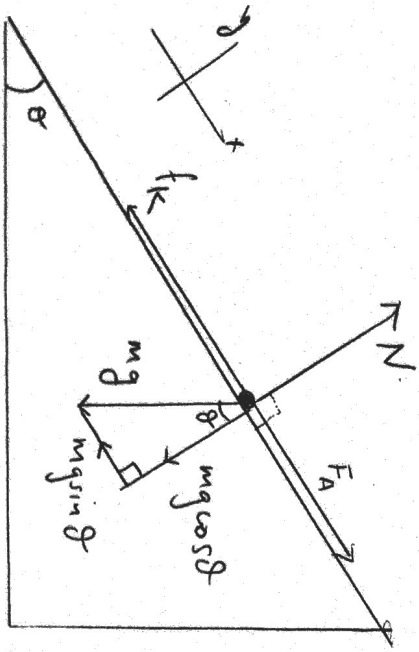


4.130



Box moving up ramp

$$\sum F_x = F_A - mg \sin \theta - f_K = ma_x$$

$$\sum F_y = N - mg \cos \theta = ma_y$$